

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**List of Chemicals for Antiinflammatory**

Chemical	Dosage
(+)-ALPHA-VINIFERIN	--
(+)-CATECHIN	IC50=40-943 uM (cf indomethacin IC50=1 uM)
(+)-EUDESMA-4(14),7(11)-DIENE-3-ONE	--
(+)-HERNANDEZINE	--
(+)-PSEUDOEPHEDRINE	--
(-)-16,17-DIHYDROXY-16BETA-KAURAN-19-OIC	300 ppm
(-)-ALPHA-BISABOLOL	--
(-)-BETONICINE	--
(-)-BORNYL-CAFFEATE	--
(-)-BORNYL-FERULATE	--
(-)-BORNYL-P-COUMARATE	--
(-)-EPICATECHIN	--
(1'S)-1'-ACETOXYCHAVICOL-ACETATE	--
(E)-4-(3',4'-DIMETHOXYPHENYL)-BUT-3-EN-OL	ED84=300 mg/kg
1,7-BIS-(4-HYDROXYPHENYL)-1,4,6-HEPTATRIEN-3-ONE	--
1,8-CINEOLE	--
10-ACETOXY-8-HYDROXY-9-ISOBUTYLOXY-6-METHOXYTHYMOL	50 mg/kg ip rat
10-DEHYDROGINGERDIONE	> indomethacin
10-GINGERDIONE	> indomethacin
13',II8-BIAPIGENIN	>3/4 indomethacin
13-OXYINGENOL-ESTER	--
16,17-DIHYDROXY-16BETA-KAURAN-19-OIC	300 ppm
16-HYDROXYINGENOL-ESTER	--
2'-O-GLYCOSYLVITEXIN	--
2-BETA,3BETA-27-TRIHYDROXYOLEAN-12-ENE-23,28-DICARBOXYLIC-ACID	--
20-DEOXYINGENOL-ESTER	--
22BETA-ESCI	--

Chemical	Dosage
24-METHYLENE-CYCLOARTANOL	--
3,4-METHYLENE-DIOXYCINNAMIC-ACID-BORNYL-ESTER	--
3,4-SECOTRITERPENE-ACID-20-EPI-KOETJAPIC-ACID	IC50=0.5-1.9 uM
3-ACETYLACONITINE	--
3-BETA-HYDROXY-2,3-DIHYDROWITHANOLIDE-F	5 x phenylbutazone
3-N-BUTYL-PHTHALIDE	--
3-O-ACETYLOLEANOLIC-ACID	--
3-OXO-11-ALPHA-HYDROXYOLEAN-12-ENE-30-OIC-ACID	IC50=3.2-3.6 uM
3-OXO-11-ALPHA-METHOXYOLEAN-12-ENE-30-OIC-ACID	IC50=5-15 uM
3-OXO-OLEAN-9(11),12-DIENE-30-OIC-ACID	IC50=>100 uM
4-VINYL-GUAIACOL	--
5,7-DIMETHOXYFLAVONE	--
5-DEOXYINGENOL-ESTER	--
6,7-DIMETHYLAESCULETIN	--
6,7-DIMETHYLESCULETIN	--
6-DEHYDROGINGERDIONE	> indomethacin
6-DEOXYJACAREUBIN	--
6-GINGERDIONE	> indomethacin
6-O-(2"-ACETYL-3",4"-O-DI-P-METHOXYCINNAMOYL-ALPHA-L-RHAMNO PYRANOSYL)-CATALPOL	#NAME?
6-O-(4"-ACETYL-2",3"-O-DI-P-METHOXYCINNAMOYL-ALPHA-L-RHAMNO PYRANOSYL)-CATALPOL	#NAME?
7-METHOXYSOUMARIN	--
8-ACETYLHARPAGIDE	IC50=19.5 uM
8-O-CINNAMOYLHARPAGIDE	--
ABRINE	--
ACANTHOIC-ACID	--
ACETYL-11-KETO-BETA-BOSWELLIC-ACID	2 uM
ACETYL-BETA-BOSWELLIC-ACID	7 uM

Chemical	Dosage
ACETYLSALICYLIC-ACID	452 mg/kg orl rat
ACETYLSHIKONIN	--
ACONITINE	--
ACTINIDOLES	--
AESCI	orl
AESCULETIN	IC50=0.1-5 uM
AESCULIN	--
AJOENE	--
ALANTOLACTONE	--
ALKANNIN	--
ALLANTOIN	--
ALLICIN	--
ALPHA-AMYRIN	IC71=1,000 ppm orl
ALPHA-AMYRIN-ACETATE	--
ALPHA-AMYRIN-PALMITATE	56-66 mg/kg orl rat
ALPHA-BISABOLOL	--
ALPHA-BOSWELLIC-ACID	--
ALPHA-CURCUMENE	--
ALPHA-LINOLENIC-ACID	IC50=42 uM
ALPHA-PEROXYACHIFOLIDE	--
ALPHA-PINENE	500 mg/kg
ALPHA-SPINASTEROL	>Phenylbutazone
ALPHA-TERPINEOL	--
AMENTOFLAVONE	>3/4 indomethacin
AMYGDALIN	--
ANDROGRAPHOLIDE	--
ANETHOLE	--

Chemical	Dosage
ANNOMONTINE	--
ANTHOCYANINS	--
ANTHOCYANOSIDE	50-500 mg/kg orl
ANTHRANILIC-ACID	--
APIGENIN	#NAME?
APIGENIN	IC~65=1,000 uM
APIGENIN-7-GLYCOSIDE	--
APIGENIN-7-O-GLUCOSIDE	--
APIGENIN-DIMETHYL-ETHER	--
APOCYNIN	--
AR-TURMERONE	IC50=3.2-5.6 ug/ml
ARBORININE	--
ARISTOLOCHIC-ACID	--
ARTABSIN	--
ARTECANIN	--
ARTEMETIN	30-150 mg/kg
ARVENOSIDE-A	--
ASCORBIC-ACID	--
ASIATICOSIDE	--
ASPERULOSIDE	--
ASPIRIN	452 mg/kg (orl rat)
ASPIRIN (ACETYLSALICYLIC-ACID; NOT NATURAL)	452 mg/kg (orl rat)
ASTRAMEMBRANIN-I	--
ASTRINGENIN	IC50=45 uM
ATRACTYLENOLIDE	--
ATRACTYLENOLIDE-I	100 mg/kg
ATRACTYLENOLIDE-II	100 mg/kg

Chemical	Dosage
ATRACTYLENOLIDE-III	300 mg/kg
ATRACTYLOCHROMENE	--
ATRACTYLON	--
AUCUBIN	IC50=12-72 uM
AUCUBIN	1/2 indomethacin
AXILLARIN	1/2 indomethacin
AZULENE	--
BAICALEIN	IC28=20 mg/kg scu rat
BAICALEIN	IC50=0.1-5 uM
BAICALEIN-5,6,7-TRIHYDROXY-FLAVONE	--
BAICALIN	IC37=10 mg/kg scu rat
BAOHUOSIDE-1	--
BARBATOSIDE-A	--
BARBATOSIDE-B	--
BARTSIOSIDE	IC50=4.3 uM
BASSIC-ACID	--
BAVACHININ	--
BAYACHININE	ED=20-100 ipr, 50-200 orl
BENZOXAZINOIDS	--
BENZOYLACONINE	--
BERBAMINE	--
BERBERASTINE	--
BERBERINE	--
BERGAPTEN	--
BERGENIN	#NAME?
BETA-AESCIIN	--
BETA-AMYRIN	--

Chemical	Dosage
BETA-AMYRIN-ACETATE	--
BETA-BOSWELLIC-ACID	5 uM
BETA-DAMASCENONE	--
BETA-ESCI N	--
BETA-HIMACHALINE	--
BETA-PINENE	--
BETA-SANTALENE	--
BETA-SITOSTEROL	--
BETA-SITOSTEROL-3-O-BETA-D-GLUCOPYRANOSIDE	--
BETA-TURMERONE	IC50=1.6-4.6 ug/ml
BETONICINE	--
BETULIN	--
BETULINIC-ACID	--
BIS-(4-HYDROXY-CINNAMOYL)-METHANE	--
BIS-DESMETHOXYCURCUMIN	--
BISABOLOXIDE	--
BOEHMEROL-ACETATE	--
BOLDINE	ED50=34 mg/kg
BORJATRIOL	--
BORNEOL	--
BOSWELLIC-ACID	IC100=0.1 uM
BOSWELLIC-ACID	50 mg/kg orl rat
BOWDICHIONE	--
BRADYKININASE	--
BRAZILIN	--
BROMELAIN	--
BROUSSOCHALCONE-A	--

Chemical	Dosage
BRYONOLIC-ACID	--
BUPLEURIN	--
BUTEIN	--
BUTYLIDENE-PHTHALIDE	--
CAFESTOL	--
CAFFEIC-ACID	--
CAFFEOYLMARIC-ACID	--
CAFFEOYLTARTARIC-ACID	--
CALOPHYLLIN-B	--
CALOPHYLLOLIDE	40 mg/kg ipr
CANNABICHROMENE	--
CANNABIDIOL	--
CANNABIGEROL	--
CANNFLAVIN	--
CANNIPRENE	IC50=90 mM
CAPSAICIN	--
CARBENOXOLONE	--
CARBOXYTRACTYLOSIDE	--
CARNOSINE	--
CARNOSOL	--
CARVACROL	IC50=4 uM
CARYOPHYLLENE	IC50=100 uM
CARYOPHYLLENE-OXIDE	--
CATECHIN	IC50=80 uM (cf indomethacin IC50=1 uM)
CEPHARAMINE	--
CEPHARANOLINE	--
CEPHARANTHINE	--

Chemical	Dosage
CHAKSINE	--
CHAMAZULENE	--
CHELERYTHRINE	--
CHELERYTHRINE	10 mg/kg orl rat (=5 mg indomethacin)
CHIKUSETSUSAPONIN	--
CHIKUSETSUSAPONIN-V	--
CHLOROGENIC-ACID	--
CHLOROGENIN	--
CHRYSANTHEMOL	--
CHRYSIN-5,7-DIHYDROXYFLAVONE	--
CHRYSOSPLENIN	--
CHRYSOSPLENOL	--
CHYMOTRYPSIN	--
CINNAMALDEHYDE	--
CINNAMIC-ACID	--
CINNAMIC-ACID-BORNYL-ESTER	--
CIRSIMARITIN	IC~37=1,000 uM
CIRSIMARITIN	IC~50=1,000 uM
CIS-COMMUNIC-ACID	top
CIS-SPIROETHER	--
CITRAL	--
CLITORIACETAL	--
CNICIN	--
CNIDILIDE	--
COIXENOLIDE	--
COIXOL	--
COLCHICINE	--

Chemical	Dosage
COLCHICOSIDE	--
CONIFERYL-ALDEHYDE	ED 1-10 ug/ear
CONJUGATED-LINOLEIC-ACID	--
COPPER	--
COPPER-SALICYLATE	60-120 mg/day
COPTISINE	--
CORILAGIN	--
COUMARIN	--
CROTALOBURINE	20-Oct
CRYOGENINE	--
CRYPTOAESCI	--
CUCURBITACIN-B	--
CUPARENE	--
CURCUMIN	1,200 mg/man/day
CURCUMIN	1 uM
CURCUMINOIDS	--
CYANIDIN-3-O-GLUCOSIDE	--
CYCLEANINE	--
CYCLOARTENOL	--
CYCLOBUXINE-D	--
CYCLOSADOL	--
CYTISINE	--
DAIDZEIN	--
DAMASCEINE	--
DAURICINE	--
DEHYDROCURDIONE	--
DEHYDROCYCLOGUANANDIN	--

Chemical	Dosage
DELTA-3-CARENE	ipr
DEMETHOXYCURCUMIN	--
DEMETHYLTRANDRINE	5-25 ppm ipr
DESMETHOXYANGONIN	--
DIHYDROHELENALIN	--
DIHYDROHELENALIN-ESTERS	--
DIHYDROKAWAIN	--
DIHYDROMETHYSTICIN	--
DIOSGENIN	--
DIOSMIN	600 mg/kg rat
EDPETILINE	--
EICOSAPENTAENOIC-ACID	IC50=57 uM
ELAECARPINE	--
ELAIDIC-ACID	IC50=54 uM
ELLAGIC-ACID	--
EMETINE	--
EMODIN	15 mg/kg
EN-YN-DICYCLOETHER	--
ENT-16A-,17-DIHYDROXY-KAURAN-19-OIC-ACID	--
EPHEDRINE	--
EPHEDROXANE	--
EPI-PROCURCUMENOL	--
EPICATECHIN	--
ERIODICTYOL	--
ESCI	orl
ESCULETIN	IC50=0.1-5 uM
ESCOLIN	--

Chemical	Dosage
EUGENOL	(11 uM) IC~97=1,000 uM
EUGENYL-ACETATE	--
EUGLOBAL	--
EUPAFORMOSANIN	--
EUPAHYSSOPIN	2.5 mg/kg
EUPATOLIDE	--
EUXANTHONE	--
FAGARAMIDE	--
FARADIOL	#NAME?
FARADIOL-MONOESTER	1/3 indomethacin
FENUGREEKINE	--
FERULIC-ACID	--
FERULOYL-4-HYDROXYCINNAMOYL-METHANE	--
FETIDINE	--
FICIN	--
FLAVOKAWAIN-B	--
FORSKOLIN	--
FRAXIN	--
FRIEDELAN-3-BETA-OL	30 mg/kg
FRIEDELIN	30 mg/kg
FUMOFICIALNE	50 mg/kg
GALANGIN	IC50=5.5 uM
GALLIC-ACID	--
GALLOCATECHIN-(4ALPHA->8)-EPIGALLOCATECHIN	1/4 indomethacin
GALLOCATECHIN-(4ALPHA->8)-GALLOCATECHIN	1/4 indomethacin
GALLOCATECHIN-(4ALPHA->8)-GALLOCATECHIN-(4ALPHA->8)-GALLOCATECHIN	1/4 indomethacin
GAMMA-BOSWELLIC-ACID	--

Chemical	Dosage
GAMMA-TOCOPHEROL	--
GAULTHERIN	--
GENISTEIN	--
GENTIANAINE	--
GENTIANAMINE	--
GENTIANIDINE	--
GENTIANINE	--
GENTIOPICROSIDE	--
GENTISIC-ACID	--
GERMACRONE	--
GINGEROL	--
GINKGETIN	>1/3 indomethacin
GINKGOLIDE	--
GINKGOLIDES	--
GINSENOSIDE-R-O	10-200 mg/kg orl
GITOGENIN	--
GLABRIDIN	--
GLUCOSAMINE-SULFATE	500 mg 3 x day
GLYCYRRHETIC-ACID	--
GLYCYRRHETINIC-ACID	--
GLYCYRRHIZIC-ACID	--
GLYCYRRHIZIN	--
GNAPHALIIN	1/2 indomethacin
GOSSYPIN	--
GUAIAZULENE	--
HAEMOCORIN	--
HANFANGCHIN	--

Chemical	Dosage
HARPAGIDE	--
HARPAGOSIDE	IC50=10 uM
HASTATOSIDE	--
HEDERAGENIN	--
HELENALIN	2.5 mg/kg
HELENALIN-ESTERS	--
HELLICOSIDE	--
HERACLENIN	--
HERNANDEZINE	--
HESPERIDIN	IC47=50 mg/kg scu
HESPERIDIN	IC63=100 mg/kg scu
HOLAPHYLLINE	--
HOMOAROMOLINE	--
HOMOCARNOSINE	--
HUMULONE	1 mg mus
HYPACONITINE	--
HYPERIN	--
HYPEROSIDE	1/4 indomethacin
HYPOLAETIN-8-GLUCOSIDE	--
IMPERATORIN	--
INDOLE-3-CARBINOL	--
INOPHYLLOLIDE	ED50=40 ipr
INOSINE	--
ISOALANTOLACTONE	--
ISOELAEOCARPINE	--
ISOEUGENOL	--
ISOFERULIC-ACID	--

Chemical	Dosage
ISOLIQUIRITIN	--
ISOPIMPINELLIN	100 ppm
ISOPLUMBAGIN	IC60=100 mg/kg orl rat (=phenylbutazone)
ISOQUERCITRIN	--
ISOQUERCITROSIDE	1/3 indomethacin
ISORHAMNETIN	--
ISOTETRANDRINE	--
ISOTHYMONIN	IC~37=1,000 uM
ISOTRILOBINE	--
JACEIDIN	--
JALIGONIC-ACID	--
JATEORRHIZINE	--
JATRORRHIZINE	--
KAEMPFERIDE	--
KAEMPFERITRIN	--
KAEMPFEROL	20 mg/kg
KAEMPFEROL	200 mg/kg ipr rat
KAEMPFEROL-4'-O-METHYLETHER	--
KAEMPFEROL-7-GLUCOSIDE	--
KAMPFEROL-7-GLUCOSIDE	--
KAWAIN	--
KOPARIN	--
L-EPHEDRINE	--
L-GLUTATHIONE	--
L-PULEGONE	--
LANCEOLARIN	--
LAPACHOL	ED76=100

Chemical	Dosage
LAWSARITOL	IC40=100 mg/kg orl rat
LAWSONE	IC60=100 mg/kg orl rat (=phenylbutazone)
LEIOCARPOSIDE	--
LEUCOANTHOCYANIDINS	--
LEUCODELPHINIDIN	--
LICOCHALCONE-A	--
LICURIZID	--
LIMONENE	--
LINALOOL	--
LINDLEYIN	--
LINOLEIC-ACID	IC50=31 uM
LIQUIRITIC-ACID	--
LIQUIRITIGENIN	--
LIQUIRITIN	--
LIQUIRITONE	--
LOGANIN	1/2-1/5 indomethacin
LUPEOL	1/3 indomethacin
LUPININE	--
LUTEOLIN	#NAME?
LUTEOLIN-7-GLUCOSIDE	--
MADECASSOSIDE	--
MAGNESIUM	100 mg 4 x/day
MAGNOSALIN	--
MAGNOSHININ	--
MANGIFERIN	--
MANNITOL	--
MARGASPIDIN	50 mg/kg orl

Chemical	Dosage
MARMIN	IC62=1,000 ppm orl rat
MASLINIC-ACID	--
MATRICINE	--
MATRINE	15-25 mg/kg ims mus
MAURITIANIN	--
MENTHOL	--
MESACONITINE	--
METHYL-7-KAEMPFEROL	--
METHYL-SALICYLATE	--
METHYSTICIN	--
MUFA	IC50=21 uM
MUFAS	IC50=21 uM
MYRICETIN	--
MYRICITRIN	--
MYRISTICIN	--
N-HENTRIACONTANE	--
NARINGENIN	20 ppm
NARINGENIN-7-O-BETA-D-GLUCOSIDE	20 ppm
NARINGIN	--
NEO-CHLOROGENIC-ACID	--
NEOISOLIQUIRITIN	--
NEOLIQUIRITIN	--
NEORUSCOGENIN	--
NEPETRIN	--
NESODINE	--
NEVADENSIN	75 mg/kg
NIACINAMIDE	--

Chemical	Dosage
NIMBIDIN	--
NORDIHYDROGUAIARETIC-ACID	--
OLEANOLIC-ACID	40 mg/kg ipr
OLEIC-ACID	IC50=21 uM
OLIVETOL	--
OMEGA-3-FATTY-ACIDS	--
OPC	--
OPCS	--
ORIENTIN	--
OSTHOL	IC62 800 ppm orl
PAEONIFLORIN	--
PAEONOL	--
PALMATINE	--
PALMIDROL	--
PALUSTROSIDE	--
PAPAIN	--
PARTHENOLIDE	--
PENTAGALLOYL-GLUCOSE	--
PETILINE	--
PHEOPHYTIN-A	--
PHEOPHYTIN-B	--
PHYTOLACCOSIDE	--
PINOSTROBIN	--
PIPERINE	10 mg/kg
PLATYCODIN	200 mg/kg
PLUMIERIDE	--
PODOVERINE-A	--

Chemical	Dosage
POLYGONOLIDE	--
PROCURCUMENOL	--
PROCYANIDIN-A-2	MEC10.5=0.125 uM/l
PROPYL-GALLATE	--
PROSTRATIN	--
PROTOCATECHUIC-ACID	--
PROTOPINE	100 mg/kg
PSEUDOEPHEDRINE	--
PUERARIN	--
PUNARNAVINE	--
PUNICIC-ACID	--
QUERCETIN	20-150 mg/kg
QUERCETIN-3-METHYL-ETHER	--
QUERCETIN-3-O-BETA-D-GLUCOSIDE	--
QUERCETIN-3-O-BETA-D-GLUCURONIDE	--
QUERCETIN-3-O-GALACTOSIDE	--
QUERCETIN-3-O-METHYL-ETHER	--
QUERCETIN-3-RHAMNOGLUCOSIDE	--
QUERCETIN-PENTAMETHYL-ETHER	IC50=75
QUERCITRIN	--
QUINOVIC-ACID	--
QUINOVIC-ACID-GLYCOSIDE	--
RESINIFERATOXIN	--
RESVERATROL	IC50=2.6 uM
RICINOLEIC-ACID	IC50=41 uM
ROSMARINIC-ACID	IC~58=1,000 uM
RUSCOGENIN	--

Chemical	Dosage
RUTIN	20 mg/kg
S-ADENOSYLMETHIONINE	1,200 mg/day
SABIANINE	--
SAIKOSAPONIN	10 mg/kg ip
SAIKOSAPONIN-A	--
SAIKOSAPONIN-D	--
SALICIN	--
SALICYL-SALICYLIC-ACID	--
SALICYLAMIDE	--
SALICYLATES	--
SALICYLIC-ACID	--
SALIGENIN	--
SANGUINARINE	--
SANTAMARIN	--
SANTAMARINE	--
SCANDENOLIDE	--
SCIADOPITYSIN	1/3 indomethacin
SCOPARONE	--
SCOPOLAMINE	--
SCOPOLETIN	ED 1-10 ug/ear
SHEGANSU-A	--
SHIKONIN	--
SHOGAOL	--
SIDERITOFLAVONE	--
SILYMARIN	--
SINAPALDEHYDE	--
SINOACUTINE	IC26=300 ppm orl

Chemical	Dosage
SINOMENINE	--
SODIUM-CURCUMATE	>Phenylbutazone
SOLASODINE	--
SPARTEINE	--
SPINOSIN	ED50=150 (ipr mus)
STIGMASTEROL	--
SUPEROXIDE-DISMUTASE	--
SYRINGALDEHYDE	ED=20 ug/ear
TANSHINONE	--
TARAXASTEROL	1/2 indomethacin
TARAXASTEROL-ACETATE	--
TASPINE	--
TAXIFOLIN	--
TECTORIDIN	--
TECTORIGENIN	--
TERNOSIDE	--
TETRAHYDROCURCUMIN	>Phenylbutazone
TETRANDRINE	--
THALCIMENE	--
THALFOETIDINE	--
THALICSIMINE	25-May
THALMINE	--
THALSIMINE	--
THYMOL	(=indomethacin)
TOCOPHEROL	--
TOMATINE	--
TOMENTOLIDE-A	40 ipr

Chemical	Dosage
TOMENTOLIDE-B	40 ipr
TREMULACIN	--
TRIETHYLCURCUMIN	--
TRILOBINE	--
TUBEROSINE	--
TYLOPHORINE	--
UMBELLIFERONE	--
UROLITHIN-A	--
URSOLIC-ACID	IC24=500 mg/kg
URSOLIC-ACID	1/3 indomethacin
VANILLIC-ACID	--
VERBASCOSIDE	--
VICENIN-2	ED50=148 (ipr mus)
VITAMIN-E	--
VITEXIN	--
WEDELOLACTONE	--
WITHAFERIN-A	--
WITHANOLIDE	--
WITHANOLIDE-D	--
WOGONIN	IC50=75
XANTHOHUMOL	--
XANTHOTOXIN	20 mg/man/day
YANGONIN	--
ZINGERONE	--
ZYGOPHYLLIN	--